

5' GCG CGG NCA GAC GNC AGC GCC ATG GAG GAG TAC GCT CGG GAG CCC TGC CCA TGG	9	18	27	36	45	54
M E E Y A R E P C P W						
CGA ATT GTG GAT GAT TGC GGT GGA GCC TTC ACT ATG GGT GTC ATC GGT GGC GGA	63	72	81	90	99	108
R I V D D C G A F T M G V I G G G						
GTC TTC CAG GCC ATC AAG GGT TTC CGC AAT GCC CCT GTT GGA ATT CGG CAC CGG	117	126	135	144	153	162
V F Q A I K G F R N A P V G I R H R						
TTG AGA GGT AGT GCC AAT GCT GTG AGG ATC CGA GCC CCC CAG ATT GGA GGT AGC	171	180	189	198	207	216
L R G S A N A V R I R A P Q I G G S						
TTC GCA GTG TGG GGG GGC CTG TTC TNC ACC ATT GAC TGT GGC CTG GTG CGG CTT	225	234	243	252	261	270
F A V W G G L F X T I D C G L V R L						
CGG GGC AAG GAG GAT CCC TGG AAC TCT ATC ACC AGT GGA GCA TTG ACC GGG GCT	279	288	297	306	315	324
R G K E D P W N S I T S G A L T G A						
GTG CTG GCT GCC CGC AGT GGC CCA CTG GCC ATG GTG GGC TCA GCA ATG ATG GGG	333	342	351	360	369	378
V L A A R S G P L A M V G S A M M G						

FIGURE 1A

387	ATC	CTG	TTG	GCC	CTC	ATT	GAG	GGC	GTT	GGC	ATC	414	423	432
G	I	L	A	L	A	I	E	G	V	G	I	L	T	R
														Y
														T
441	CAG	CAG	TTC	CGA	AAT	GCG	CCC	CCA	TTC	CTG	GAG	468	477	486
A	Q	Q	F	R	N	A	P	P	F	L	E	D	P	S
														Q
														L
495	AAG	GAT	GGC	ACC	CCG	GCC	CCA	GGC	TAC	CCC	AGC	522	531	540
P	K	D	G	T	P	A	P	G	Y	P	S	Y	Q	CAG
														TAC
														CAC
549	AGC	CAC	TGC	CAC	CAT	GGG	AGC	TAC	TTC	TCG	GTT	576	585	594
GGA														ATG
														GTC
														TAC
603	GAA	GGG	AGG	GCT	GGC	TCC	CAG	TTA	GCC	CTG	GGA	630	639	648
CTC														AGA
														GAG
														GGT
														TTC

TAT CTG T 3'

FIGURE 1B

1 ME - EYAREPCPWRIVD DCGG 1318463
 1 ME - EYAREPCPWRIVD DCGG GI 1770564
 1 MSADHSRDP CPTIVILND FGG GI 557267

20 AFTMGVIGGGVFQAIKGF RN 1318463
 20 AFTMG TIGGGIFQAIKGF RN GI 1770564
 21 AFAMGA IGGV VWHG I KGF RN GI 557267

40 APVGIRHRLRGSANAVRIRA 1318463
 40 SPVG VNHRLRGS LTA I KTRA GI 1770564
 41 SPLG - - ERGSGAMSA I KAR A GI 557267

60 PQIGGSFAVWGGLFX TIDCG 1318463
 60 PQLGGSF AVWGGLFS M I DCS GI 1770564
 59 PVLGGNF G VWGGLFS T F DCA GI 557267

80 LVRLRGKEDPWNSITSGALT 1318463
 80 M VQVRGKEDPWNSITSGALT GI 1770564
 79 VKAV RKR EDPWN A I IAG F F T GI 557267

100 GAVLAARS G PLAMVGSAMMG 1318463
 100 GA I LAARN GPVAMVGS A AMG GI 1770564
 99 GGALAVR G GWRHTRNS S ITC GI 557267

120 GILLALIEGVGILLTRYTA - 1318463
 120 GILLALIEG A GILLTR FAS - GI 1770564
 119 ACLLGVIIEGVGLMFQR Y A A W GI 557267

139 QQFRNAP P FLEDP S QLP PKD 1318463
 139 AQFPNG P QFAEDPSQLP STQ GI 1770564
 139 QAKPM A P P L P E A P S S Q P L Q A GI 557267

159 GTPAPGYPSYQQYH 1318463
 159 - LPSSPF G DY R Q Y Q GI 1770564
 158 GI 557267

FIGURE 2

FIGURE 3

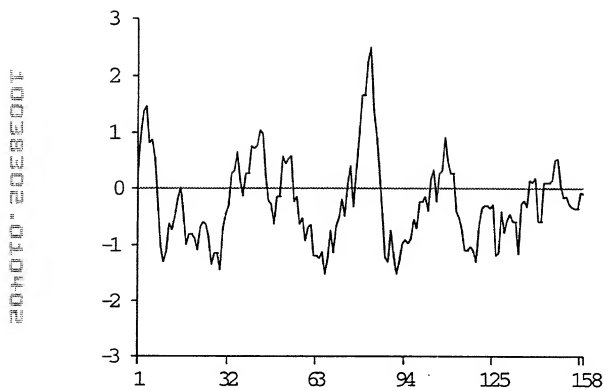


FIGURE 4